



TrainWatch



TRIMBLE TRAINWATCH SOFTWARE

VIRTUAL TRAIN INSPECTION PORTAL

Trimble® TrainWatch™ software is a powerful virtual train inspection portal that provides a comprehensive environment for train inspectors to inspect a full train using data gathered by wayside equipment.

The Trimble TrainWatch environment provides different modes of inspection like animation, car based and/or component based. The advanced technology utilized in TrainWatch allows one operator to work with multiple monitors where the content of each monitor can be customized according to the inspection routines followed by the inspector.

TrainWatch users benefit from automated car component detection and segmentation algorithms to help simplify and speed up the inspection process. Existing Trimble automated inspection algorithms are also supported so required inspections are managed automated algorithms making the virtual inspection process even faster.

TrainWatch provides versatile reporting capabilities to facilitate train condition reporting, including cropping images of relevant sections directly into the report, adding comments, automatic identification of the car (wagon) that components belong to, and more and can link directly to Trimble CMMS™ (Condition Monitoring Management System) software for data display. TrainWatch supports image data from all Trimble wayside systems together with data display from other detector technologies such as impact detectors, hot box detectors, and acoustic bearing detectors.





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FEATURES

Software Features

Inspection Modes

- ▶ **Animation:** Train motion is simulated at a desired speed.
- ▶ **Car (wagon) mode:** Car by car (wagon by wagon) data access with AEI identification attached.
- ▶ **Component mode:** Access and navigate through certain components.
- ▶ **Mixed mode:** Mix different modes of operation in a predefined form.

Display Modes

- ▶ **Synchronous:** All displayed data are synchronized in time and location.
- ▶ **Asynchronous:** Different customized cameras/ cars (wagons)/ components display.

Navigation Guide

- ▶ Graphical interface to view the camera orientation.
- ▶ Assign cameras to display windows.
- ▶ Navigation bar to show the current car (wagon) position within the train.
- ▶ Car (wagon) list available for inspection.

General Features

- ▶ Customize all displays.
- ▶ Audio support.
- ▶ Image cropping for reporting purposes.
- ▶ Excel report generation for train/car/component.
- ▶ AEI (RFID) integration.
- ▶ Email generation.

Specifications subject to change without notice.